

The Measurement of Extremely Small Changes in the
Path Difference Between Two Light Variations, by
I. L. Bershteyn, UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No 4,
1954, pp 655-658.

Sci Mus Lib 58/0614

Sci - Phys
Oct 58

75,496

Relationship Between Coercive Force of Soft
Magnetic Materials and Thickness of Sheet, ~~by~~ by
V. A. Zaikova, Ya. Shur.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIV,
No 4, 1954, pp 663-665.

■
Brutcher Tr No 3333

Scientific - Min/Metals

14, 732
Dec 54 CTS/DEX

\$2.20

The Isotopic Composition of Potassium From
Meteorites, by G. R. Rik, Yu. A. Shokolyukov

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCIV, No 4, 1954, pp 667-669.

Def Sci Info Sv
DRB, Canada, T 167R

Scientific - Geophysics 33,445

61-13819

Shifrin, K. S.
THE THEORY OF RADIATIONAL PROPERTIES OF
CLOUDS (CONTRIBUTION) (K Teorii Radiatsionnykh
Svoystv Oblakov) tr. by George S. Mitchell and David Q.
Wark. May 59 [7]p. 4 refs.
Order from OTS or SLA \$1.10

61-13819

Trans. of Akademiya Nauk SSSR. Doklady, 1954,
v. 94, no. 4, p. 673-676.

DESCRIPTORS: *Clouds, Thermal radiation, Theory.

A theoretical analysis is presented of the spectral
properties of clouds in the long-wave region.

(Earth Sciences--Meteorology, TT, v. 6, no. 1)

I. Shifrin, K. S.
II. Weather Bureau,
Washington, D. C.
III. 61-15084 canceled

161683

Office of Technical Services

Diffusion of Cobalt, Chromium, and Tungsten in Iron and Steel, by P. L. Gruzin. UNCLASSIFIED.

~~RUSSIAN~~

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. 183, No. 4, 1954, pp 631-634.

Butcher Tr Co 5831

Scientific - Min/Metals

17, 358

Nature of Rupture During Plastic Deformation of
Metals, by S. I. Gubkin, L. A. Rapoport,
(AP-620014) UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk, SSSR, Vol XCIV,
No 4, 1954, pp 685-688.

26788

ATIC F TS-8501/V

Scientific - Min/Metals

Sep 55 CTS/DEX

Deposition of Solids in Vacuum, by D. A.
Bukharin, I. B. Piletskaya

RUSSIAN, Zhurnal per, Dokl Ak Nauk SSSR, Vol 201, V
No 8, 1984, pp 689-691.

Butcher Tr 3319

Scientific - Minerals/Metals
Jul 1984/84

Price \$2.10

15,964

Influence of Elements Forming Sparingly Soluble
Carbides Upon the Decomposition of Austenite, by L. I.
Kogan, R. I. Entin

RUSSIAN, thrice-no par, Dok Ak Nauk SSSR, Vol. ~~XXIV~~ IV, No 4
1954, pp 693-696.

Brutcher Tr 3318

15,977

Scientific - Minerals/Metals

Jul CTS/DEX

3
Price \$3.40

The Reaction of Alkylacetoxysilanes With Alcohols
by K. A. Andryanov, A.A. Zhdanov, A.A. Bogdanova .

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIV,
No 4, 1954, pp 697-699.

Assoc Tech Sv RJ 280
PO Box 271
East Orange, NJ

Scientific - Chemistry

31, 211

Feb 56

Investigation of the Physical Structure of
Synthetic Polyamides by Infrared Absorption
Spectra, by D. N. Shigorin, N. V. Mikhaylov,
S. P. Makar'eva, 11 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XCIV,
No 4, 1954, pp 717-720.

1126 11 2271
CIA/FDD/X-1609

22,837

Scientific - Chemistry Apr 55 CTS

Used of Tagged Atom Method in Study of the Stability
of Dusts of Phosphorus-Organic Insecticides, by
K. A. Gar, N. N. Mel'nikov, Ya. A. Mandel'baum, V. L.
Chernetsova, K. D. Shvetsova-Shilovskaya.

thrice-mo

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLIV, No 4,
1 Feb 1954, pp 729-732. CIA 9012865

USDA

SLA R-157
53,798

Sci - Biol

Oct 58

The Possible Cause of the Disturbed Solar-Diurnal
Variation of the Earth's Magnetic Field, by B. Ye.
Bryunelli, 4 pp.

5

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLIV, No 5,
1954, pp 741-743.

ATTC F-TS-8970/V

Sci - Geophysics

46, 480

Apr 57 CTS

On the Functional Separability of Indicators
Functionality, by G. R. Kovalev, 5 pp.

RUSSIAN, par, Dokl. Akad. Nauk SSSR,
Vol. XXIV, No 5, 1954, pp 661-663.

REF ID: A6111
DOCID: 9093058

Sci
No. 61

173.3.21

Table of Contents, 5 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIV,
No 5, 11 Feb 1954, Encl to Rpt No IR-1305-54.

AF 623779

USSR
Scientific

CIA-D-50335

"Schrödinger Form" for Relativistically Invariant
Equations, by Yu. A. Izrael, 9 pp.

thrice
RUSSIAN, per, Dok Ak Nauk, Vol XCIV, No 5, 1953.
CIA D-448647.

OIN-10436

32,916

USSR
Scientific - Mathematical^S, Physics

Apr 56

n the Functional Separability of Boolean
nctions, by G. N. Povarov, 4 pp.

SSIAN, per, Dok Ak Nauk SSSR, Vol XCIV,
5, 1954, pp 801-803.

MDP P-118

CTS - 62 - 10 - 89
161,394

1 - Phyp
1 161

Realization of Linear Functions in the Class of
JT -Circuits (Series-Parallel), by S. V.
Yablonskiy, 3 pp.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol XCIV, No 5,
1954, pp 804-806. 9091946

5

MDF I-101

Sci - Electron
Jul 61

161, 4/16

Types of Flow of Gas/Liquid Mixtures in Horizontal
Pipes, by M. A. Mologin, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCIV, No 5, 1954, pp 807-810.

Sci Mus Lib No 55/1240
A.E.R.E. Lib/Tr 479.

Sci - Physics
CTS 71/Aug 1955

25,742

✓
Calcium Emission in the Solar Corona, by M. N.
Gnevyshev, by R. S. Gnevysheva, 32 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCIV, No 5,
1954, pp 811-812.

Def Sci Info Soc

T 134 R

PROD - 7-13 DDC

77,178

Scientific - Astronomy

CIA 2521790
2521790
2521790

Vartanyan, A. T.
THE EFFECT OF HYDROGEN ON THE PHOTOCON-
DUCTIVITY OF SOLID DYE FILMS. [1964] [10p]
Srefs
Order from OTS, SLA, or ETC \$1.10 TT-64-10408

Trans. of Akademiya Nauk SSSR, Doklady, 1954, v. 94,
no. 5, p. 829-832.

TT-64-10408

I. Vartanyan, A. T.

Sci. Mus. Lib. No 54/2914

(Chemistry--Physical, TT, v. 12, no. 1)

Office of Technical Services

Study of Paramagnetism of Some Ferrites, by
P. Gal'perin et al

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIV,
No 1, 1954, pp 833-834.

5

Brutcher Tr 3312

Scientific - Minerals/Metals
Jul CTS/DEK

Price \$1.85

15,965

The Magnetic Field of Stationary Currents Flow-
ing Within Cavities or Channels in Iron of a
Permeability Which May Be Taken as Infinitely
Great, by G. A. Grinberg.

RUSSIAN, thrice-no per, Dok Ak Nauk, Vol XCIV,
No 5, 1954, pp 839-842.

Def Sci Info Sv
DRB T.144.R

Physics

Electronics

Scientific - ~~XXXXXXXXXX~~

Feb 55 CTS/DEX

26/86

Nuclear Disintegration by a Heavy Meson, by Yu. G.
Detyarev, et al, 3 pp.

XCIV
RUSSIAN, thrice-mo per, ~~Dok Ak Nauk SSSR~~, Vol 94,
No 5, Moscow, 1954, pp 843-844. CIA ID 1270077.

Assoc Tech Sv.
RJ 242

\$1.00
USSR
Sci - Physics

any 55
26, 094

Conditions Conducive to Maximum Concentrations
of Ultrasound, by L. D. Rozenberg,

RUSSIAN, Dok Ak Nauk SSSR, Vol XCIV, No 5,
1954, pp 845-848,

Butcher Tr No 3416

#2.85

23,606

Scientific - Physics

May 55 CTS

S-2716

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, 1954,
pp 883-885.

Kinetics of Catalytic Cracking of Geometrical
Isomers of Decalin, by G. M. Fanchenkov,
V. V. Krasivichev.

RUSSIAN, thrice-mo per, Dok Ak. Nauk SSSR,
Vol. XCIV, 1954, pp 891-893.

Assoc Tech Sv RJ-228
\$4.80

Scientific - Chemistry
CTS 73/Oct 1955

27,494

Composition of Products of Thermal Decomposition
of Unsaturated Hydrocarbons, by V. V. Voevodskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCIV, 1954, pp 909-912.

Assoc Tech Sv RJ-222
\$8.00

Scientific - Chemistry
CTB 73/Oct 1955

27,503

Application of Sorption Method to the Study of the
Interaction of Zirconium Oxide With the ~~Acidic~~
Oxides of Calcium and Magnesium, by E. N. Nikitin,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No 5,
1954, pp 919-921. *219 801 803*

26,763

W-11 4111
~~Secret~~
~~Restricted to Harwell Tr 466~~

A/E/R/E/ Harwell Tr 466

Scientific - Chemistry

Sep 55 CTS

Shatenshteyn, A. I. and Izrailevich, E. A.
THE RECIPROCAL INFLUENCE OF ATOMS IN MOLECULES OF SOME AROMATICS ACCORDING TO EXPERIMENTS WITH HYDROGEN ISOTOPE EXCHANGE.

8p. 4 refs. MTWL: 743.

Order from OTS or ETC \$1.55

61-17273

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 94, no. 5, p. 923-926.

DESCRIPTORS: *Exchange reactions deuterium,
*Chemical bonds, *Benzenes.

61-17273

- I. Shatenshteyn, A. I.
- II. Izrailevich, E. A.
- III. MTWL-743
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Table of Contents, 6 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIV,
No 6, 21 Feb 1954, Encl to Rpt No IR-1305-54.

AF 623779

USSR
Scientific

CIA-D-50335

Formation and Accumulation of Antibiotic
Substances in Soil, by H. A. Krasil'nikov.
RUSSIAN, per, Dokl. Akad. Nauk, Vol 94,
1954, pp 957-960.
GB/25

Sci -
Aug 67

335,214

61-22471

Akhmerov, A. Kh.
THE PARASITE FAUNA AND THE SPECIES RELATIONSHIPS OF THE KAMCHATKA AZABACH, ONCORHYNCHUS NERKA INFRASP. ASABATCH BERG 1932 (O Parazitofaune i Vidovoy Prinadlezhnosti Kamchatskogo Azabacha Oncorhynchus Nerka Infrasp. Asabatch, Berg, 1932) tr. by W. E. Ricker. 1960 [5]p. 2 refs. FRBC Trans. Series no. 283. Order from NRCC mi\$1.00, ph\$1.50 NRCC C-3623

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 94, no. 5, p. 969-971.

DESCRIPTORS: *Salmon, *Parasites.

- I. Akhmerov, A. Kh.
- II. FRBC Trans-283
- III. NRCC C-3623
- IV. Fisheries Research Board of Canada

101880

Office of Technical Services

(Biological Sciences--Zoology, TT, v. 6, no. 1)

On Finding Eigenvalues by the Method of Nets,
by V. K. Saril'ev.

RUSSIAN, per, AN SSSR, Doklady, Vol 94,
No 6, 1954, pp 1003-1006.

Dept of Navy APL/JHU CLB-3 T558

Sci/Math
Nov 68

368,525

The Principles of the Chemistry of Enzymes and
Antimetabolites From the Standpoint of the Theory of
Catalysis, by A. A. Balandin. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXIV,
1957, pp 1008-1011.

*AEC UCRL Tr 376

Sci - Chem
Feb 58

Shapes of the Cavitation Region on a Transverse
Foil in a Normally Incident Stream, by K. K.
Shal'nev.

RUSSIAN, per, Dok Ak Nauk, Vol 94, No 6, 1954,
pp 1017-1022. CIA DL77065

Def Sci Info Sv
DRB T.152.R

RT-2393

AEC 2096

Feb 55

21,204

The Nature of the [Radio and Optical] Emission
From the Crab Nebula, by V. A. Dombrovskiy,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCIV, No 6, 1954, pp 1021-1024.

ARDC - X-6 DDC Def Sci. Info Sv,
DRE, Canada
T 141 R

Scientific - Astronomy

RT-1840
CIS/DIX

CIA D 93610 13,775

Highly Monochromatic Dispersion Light Filters, by
F. A. Korolev, A. Yu. Klement'eva, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIV,
No 6, 1954, pp 1025-1027

CIA/FID/X-1576

USSR

Scientific - Physics

21,997

~~XXXXXX~~

CBS 66/ Mar 1955

Spectrum of Bremsstrahlung in a Medium, by
M. L. Ter-Mikheyelian.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCIV, No 6, 1954, pp 1033-1036.

Def Sci Info Sv,
DRB, Canada.
T 140 R

Scientific - Astronomy

CTS/DEX

13,774

The Distribution Function of Cloud and Raindrops
by Sizes, by L. M. Levin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No 6,
1954, pp 1045-1048.

Assoc Tech Serv - 85-1237

Sci - Geophys

Jul 58

67,172

Diffusion of Silver in Alloys of Iron and Palladium
and Internal Adsorption of Palladium in Iron, by
V. I. Arkharov, B. A. Yumikov.

GOVERNMENT USE ONLY

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol 94, 1954,
pp 1057-1060.

CIA X-6627

June 68

357,157

Concerning the Diffusion of Ag in Fe Alloys
with Pd and Concerning the Intergranular
Absorption of Pd in Iron, by V.I. Arkharov
et al.

RUSSIAN, per, Doklady Akad. Nauk SSSR,
Vol. 94, no. 6, 1954, pp. 1057-1060.

*CFSTI TT 70-57070

Sci/phys
Feb 70

Hardness of Gamma Solid Solution in the Iron-
Carbon System at High Temperature, by
K. A. Osipov, E. M. Miroshkina,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCIV, No 6, 1954, pp 1063-1067,

Brutcher Tr No 3332

13,737

Scientific - Min/Metals

On the Synthesis of Multi-Terminal Switching
Networks, by G. N. Povarov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No 6,
1954, pp 1075-1078.

SLA 62-295.07
MDF P-122

Sci " *phys*
Jul 61

161,395-

The Thermal Stability of Calcium Sulpho-
Aluminate, by T. Yu. Lyubimova. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV,
No 6, 1954, pp 1101-1104.

DSIR LIU M.1305

(loan)

Sci - Phys; Chem

Apr 60

112,662

Composition of Photographically Active Particles
Separated By Metals During Atmospheric
Corrosion, by I. L. Roykh, 8 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV,
No 6, 1954, pp 1117-1120.

CIA/TDD/X-1607

22,843

Scientific - Chemistry

Apr 55 CTS

The Role of Quenching in the Reactions of Oxidation
and Decomposition of Methane at High Temperatures and
Extremely High Pressures, by Yu. N. Ryabinin, A. M.
Markovich, I. I. Tamm, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIV,
No 6, 1954, pp 1120-1124.

36,112
Sci Tr Center RT-3681

ATS RT-833

Scientific - Chemistry

ATS 3011R

Jun 56/dex

Isolation of Chlorogenic Acid From Eucommia Leaves
and its Determination, by A. R. Guseva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~XX~~ XCIV, 1954,
pp 1137-1139.

SLA Tr R-1303

Sci

Jun 58

65, 817

Electrolysis of Liquid Iron Containing Slags, by
O. A. Esin, P. M. Shurygin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No 6,
1954, pp 1145-1147.

*PL-480
OTS 63-11096
PST-982

Sci

Dec 62

²
Antagonist Microbes and Antibiotic Substances as
Factors in Resistance of Plants Against Infections,
by N. A. Krasil'nikov, 9 pp.

RUSSIAN, three-no per, Dok Ak Nauk SSSR, Vol XCIV,
No 6, 1954, pp 1177-1180.

Sci Tr Center RT 4337

Scientific - Biology
Dec 56 CFB

42, 139

New Data on the Geographical Distribution
of Cephalopod Molluses in the far Eastern
Waters, by I. I. Akimusakin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, No
6, pp 1181-1184. 1954

Minis of Def T No 3372

DSTI/D154(S)a

London

USSR

Geog

Apr 66

298,564

Utilization of Tagged Atoms in Studying the Resistance
of Eurygaster Integriceps to Two Organic Phosphate
Insecticides and Method of Studying Their Penetration
Into the Plant, by K. A. Gar, et al. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIV, 1954,
pp 1189-1192.

20,166

USDA

Scientific - Biology, ~~Chemistry~~

Dec 54 CTS

Table of Contents, 5 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCV,
No 1, 1 Mar 1954, Encl to Rpt No IR-1305-34.

AF 623779

USSR
Scientific

CIA-D-50335

Polarization of Light in Nebulae M 20 and
M 8, by D. A. Rozhkovskiy, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, No 1, 1954, pp 57-59.

PROC
X-11-DEC

Def Sci Info Sv,
DRB, Canada
T 141 R

Scientific - Astronomy CTS/DEX

13,776

CIA D 93810

On the Theory Anomalous Skin Effect in a Magnetic
Field, by M. Ya. Azbel', M. I. Kaganov, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCV, No 1, USSR, 1954, p 41-44 —

Morris D. Friedman K-100
\$3.00

Scientific - Physics

CTS 67/Apr 55

22,984

ALNO REC 2202

On the Maximum Coefficient of Directed Action
of Linear and Plane Antennas, by L. D.
Bakhrakh, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak. Nauk SSSR,
Vol. KCV, 1954, p 45.

Morris D. Friedman
21. 1. 55

FOR
Scientific - Physics

CTS 65/Feb 55

21,300

H E
The Theory of Measurement of ^H and in Semi-
conducting Ferromagnetics, by K. M. Polivanov,
4 pp, UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, No 1,
1954, pp 61-64.

S.H.A.
may 1957
R-877

Navy Tr 1126/NRL 506

Scientific - Physics

Mar 55 CTS

22, 147

(FDD 25324)

Problem of the Experimental Determination of the
Vertical Gradient of Gravity, by B. K. Balasandze,
G. Sn. Shengelaya, 3 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCV,
No 1, Moscow, 1 Mar 1955, pp 69-71.

CIA/FDD/U-7110

USSR

Sci - Geophysics

26,491

(Nowinska)

Jul 55

X-Ray Analysis of the Structure of Metal
Cuttings, by S. I. Gubkin, L. T. Mendeleyev,
3 pp,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCV, No 1, 1954, pp 73-75.

Cont'd 3311 1-15
Sci Mass Lib No 54/3674

Scientific - Min/Metals Metals Mar 55 CTB

21,950

Catalytic Transformations of n-Heptane and
n-Octane in the Presence of Platinized
Carbon, by B. A. Kazanskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
~~XXXXXX~~ Vol XCV, 1954, pp 77-80.

Assoc Tech Sv RJ-227
\$8.00

Scientific - Chemistry
CTB 73/Oct 1955

27,489

Volumetric Determination of Aldehydes and Ketones
by Means of Phenylhydrazine, by A. P. Terent'ev,
K. S. Zabrodina.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, 1954, pp 85-87.

Assoc Tech Sv RJ-200
\$4.00

Scientific - Chemistry
CTS 73/Oct 1955

27,338

Mechanism of Action of Silicon Upon
Graphitization of Iron Alloys, by K. P.
Bunin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, No 1, 1954, pp 97-100.

Brutcher Tr

No 3353

2.80

Scientific - Minerals/Metals CTS/DEX

19,518

+

Carbon Exchange Between Hydrocarbons in the
Presence of a Silica-Alumina Catalyst, by
B. V. Klimenok.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, 1954, pp 101-103.

Assoc Tech Sv RJ-204
\$5.20

Scientific - Chemistry
CTS 73/Oct 1955

27,469

Mechanism of Electrodeposition of Chromium,
by A. I. Levin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, No 1, 1954, pp 105-108.

Brutcher Tr No 3315
\$3.80

Scientific - Minerals/Metals
Electricity

CTB 65/Feb 55

21,083

Determination of the Crystalline State and the
Melting Points of Polyethylene by Their Infrared
Absorption Spectra, by V. N. Nikitin,
E. I. Pokrovskiy, 5 pp,

RUSSIAN, thrice no per, Dok Ak Nauk SSSR,
Vol XCV, No 1, 1954, pp 109-113.

CIA/PDD/X-1605

22,841

Scientific - Chemistry 55 CTB ATS-RJ216

Formation of Nitric Oxide in the Adiabatic Compression
of Air Mixtures, by Yu. N. Ryabinin, A. M. Markevich,
I. I. Tamm. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCV,
No 1, 1954, pp 111-113.

ATIC F-TS-8348

Scientific - Chemistry

Dec 54 CTS/DEX

20,316

Change of Nucleinic Acids During the
Process of Fertilization of Peas, by
O. A. Vasileva, UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV,
1954, pp 163-166.

172137
USDA

20,176

Scientific

Biology
~~Chemistry~~

Dec 54 CFB

Influence of Variable Soil Moisture on the
Formation ~~EX~~ of the Yield of Tobacco Plants
in Connection With Their Passage Through the
Development Stages, by N. Volodarskiy,
I. Bykovskaya.

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol XCV, No 1, 1954, pp 187-190.

OTS 62-10747
CSIRO 3813

192,086

Sci - BIZkol
Apr 62

Table of Contents, 5 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol KCV,
No 2, 11 Mar 1954, Encl to Rpt No IR-1305-54.

AF 623779

USSR
Scientific

CIA-D-50315

Resistance of Metals to Cavitation Corrosion in
Fresh Water and Sea Water, by K. K. Shal'nev.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol XCV,
No 2, 1954, pp 229-232. *CTA 0177064*

Def Sci Info Sv
DRB T.153.R.

Geophysics

Scientific - ~~PHYSICS~~ Feb 55 CTS/DEI

21,205

Study of the Elastic-Volume Changes in a
Nerve on Stimulation by the Impedance Method,
by L. P. Kažushin, 6 pp.
RUSSIAN, per, Dokl. Ak. Nauk SSSR, Vol XCV, No 1,
1954, pp 253-255. (9044716)
NIH 4-2-64

Sci - Biol & Med
Jul 64

262,162

NIH 12-30

An Application of the Method of
Isotope Exchange to the Study of the
Structure of Aquapoly and Heteropoly
Compounds, by V. I. Spitsyn,
E. A. Torchenskova.

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol XCV, 1954, pp 289-292.

*AEC IS-Trans-29
EAC Jan 15, 1966

Sci - Phys
Jan 66

Adsorption of Impurities on Aluminium Crystal
Boundaries, by I. E. Bolotov, Yu. D. Kozmanov,
3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol ~~XXXX~~, 1954, pp 293-295.

XCV

Sci Mus Lib No 56/0858

Sci - Chemistry, min/metals 39, 342

Hydrogen Isotope Exchange in Hydrocarbons in Liquid
Deuterium Fluoride, by Ya. M. Varslavskiy,
6 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, Number
1954, pp 297-299.

OTS-61-17274

23,562

AEC Tr No 2113

May 55 OTS

Scientific - Nuclear Physics, Chemistry

Oxidation of Iron in Water Vapor, Hydrogen-Water Vapor and Oxygen-Water Vapor Mixtures at High Temperatures, by V. I. Tikhomirov, V. V. Ipat'ev, I. A. Gofman, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk USSR, Vol XIV, No 2, 1954, pp 305-306.

OTS 62-11200

Morris D. Friedman T-114
\$3.00

Sci - Physics
Dec 56 CTS

41, 480

Enzyme Systems of Mycorrhizal Fungi, by
B. A. Rubin, N. V. Obrucheva, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, No 2,
1954, pp 337-340.
OTS 6431-11006
PL-480

Sci - Biol & Med Sci
Jun 64

260,400

Boundary Value Problems for Equation
 $\epsilon y'' = f(x, y, y')$ For Small Values of ϵ ,
by N. I. Prish.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol XCV,
No 3, 1954, pp 429-432.

NASA TT 1-10,839

Sci - Math Sci

May 67

524,173

On a Boundary Problem for Equations of Mixed Type,
by V. G. Karmanov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, No 3, 1954, pp ~~439-442~~.

Morris Friedman *K-100*

Scientific - Mathematics

CTS 64/Jan 55

20,908

The Cauchy Problem for Nonlinear Equations in a
Class of Discontinuous Functions, by O. A. Oleinik,
6 p.

RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol
XCV, 1954, pp 451-454.

Am Math Soc
Vol XLII, Ser 2

Sci-Math
Jun 66

302,692

The Mass of the Sun in the Era of Planet
Formation, by V. Krat, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV,
No 3, 1954, pp 481-484.

ATIC MCL-77/III

Eci - Astron, Geophys

Aug 60

123,874

A Gyrotropic Wave Guide, by M. A. Ginzburg, 4 pp.

UNCLASSIFIED

thrice-mo

RUSSIAN, /per, Dok Ak Nauk SSSR, Vol. XCV, No 3,
1954, pp 489-492.

Navy Tr 1097/MRL 497

Scientific - Physics

Dec 54 CTS/DEX

20,443

Reactions Induced by μ^+ Mesons in Hydrogen,
by Y. B. Zel'dovich, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCV, 1954, pp 493-502.

ACB/42-2-17
CIA/FDD X-2719

58,567

Sci - Nuclear Physics
Feb 58

A New Effect Caused by Gyromagnetic Phenomena, by
K. M. Polivanov, 3 pp. UNCLASSIFIED

thrice-mo

RUSSIAN, /per, Dok Ak Nauk, SSSR, Vol XCV, No 3, 1954
pp 501-503.

20,444 Navy Tr 1093/NRL 498

Scientific - Physics

Dec 54 CTS/DEX

Effect of Light Background on Sharpness of Color Discrimination, by G. N. Rautian, V. P. Solov'eva, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCV, No 3, 1954, pp 513-516.

CIA/FDD/X-1568

USSR

Scientific - Physics

21, 989

CTB 66/Mar: 1955

Investigation of Thin Silver Films by Electron Diffraction Patterns, by A. I. Bublik, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCV, No 3, 1954, pp 521-523.

CIA/FDD/X-1570

USSR

Scientific - Physics

CIS 66/Mar 1955

21,991

Russian to French

070 77-62-26660

Artificial Stabilization of the Quartz Lattice,
by E. V. Tsinkerling, 6 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol XCV,
No 3, 1954, pp 529, 530.

SLA Tr R-994

Sci - Chemistry
Mar 58

60,004

Study of the reaction of Trithionates with the Aid
of Radioactive Sulphur, by A. I. Brodsky,
R. E. Yermenko,

RUSSIAN, thrice mo per, Dok Ak Nauk, Vol XCV,
No 3, 1958, pp 539-542. —————

4

D. S. I.

Scientific - ~~Chemistry~~ Biographic, Acad of Sci

17,812

Application X of the Radiochromatographic Method
to the Study of the Dynamics of Exchange Adsorption
of Phosphate Ions on Inorganic Adsorbents, by E. N.
Gapon,

Vol XCV,

Russian, thrice-per, Dok Ak Nauk SSSR/No. 3, 1956
pp 567-570.

Aside Tech Sv
EXX RJ-407

Sci - Chemistry

Aug 1956

36,955- 5,80

~~EXX~~

Caloric and Thermal Properties of ~~Natural~~ Natural
Rubber in Ordered and Unordered States, by
Kz B. I. Gengrinovich, 8 pp,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, No 3,
1954, pp 571-574.

NLL 10.10.11
CIA/FDD/X-1626

23,655

Scientific - Chemistry
3

May 55 CTS

Creep of Single Crystals of Tin, by E. P.
Zakoshchikova, 3 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCV,
No 3, 1954, pp 575-577.

Navy Tr 11.00/NRL 502

Scientific - Chemistry

Dec 54 CTB/DEX

20,455

Effect of Low-Molecular-Weight Compounds on the
Deformation of Nitrocellulose Over a Wide Range
of Temperatures, by P. V. Kozlov, E. F. Rosskova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, 1954,
pp 583-586.

*PL 420

Foreign Sv

Sci -
Apr 61